INTERNATIONAL SEARCH REPORT

GB2004/004135

		dB2000	4/004135	
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G01S13/46 G01S13/89 G01B11/	00 G02B26/10		
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC		
	SEARCHED			
Minimum do IPC 7	ocumentation searched (classification system followed by classificat $G01S - G01B - G02B$	ion symbols)		
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields se	earched	
	ata base consulted during the International search (name of data baternal, WPI Data, PAJ	ase and, where practical, search terms used)	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to daim No.	
A	US 6 493 095 B1 (BEAUCHAMP DOMIN AL) 10 December 2002 (2002-12-10 column 5, line 19 - column 8, lifigures 1,2,4	1-6		
А	US 5 307 153 A (KANDA SHINJI ET 26 April 1994 (1994-04-26) column 10, line 15 - column 14, figures 10-14	1-6		
А	US 5 848 188 A (SATO YUKIO ET A 8 December 1998 (1998-12-08) column 13, line 6 - column 18, l figures 1-5	1-6		
A	EP 0 391 531 A (NIPPON KOKAN KK) 10 October 1990 (1990-10-10) the whole document		1-6	
Furt	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.	
° Special ca	ategories of cited documents :	"T" later document published after the inte or priority date and not in conflict with	emational filing date	
consid	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date	clied to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot	eory underlying the	
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other means 'P' document published prior to the International filing date but later than the priority date claimed ments, such combination being obvious to a person skilled in the art. '&' document member of the same patent family				
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report	
8 December 2004 15/12/2004				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer		
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INTERNATIONAL SEARCH REPORT

Information on patent family members

'GB2004/004135

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6493095	B1	10-12-2002	CA CA	2267519 A1 2305057 A1	13-10-2000 13-10-2000
US 5307153		26-04-1994	JP	4051112 A	19-02-1992
			JP	4055710 A	24-02-1992
			JP	8020232 B	04-03-1996
			JP	2864163 B2	03-03-1999
			JP	4155205 A	28-05-1992
			CA	2044820 A1	20-12-1991
			DE	69132853 D1	17-01-2002
			DE	69132853 T2	06-06-2002
			DE	69133108 D1	17-10-2002
			DE	69133108 T2	17-04-2003
			EP	0462595 A2	27-12-1991
			EP	0660079 A2	28-06-1995
			EP	0985903 A2	15-03-2000
			US	5509090 A	16-04-1996
US 5848188	Α	08-12-1998	JP	2931218 B2	09-08-1999
			JP	8075430 A	22-03-1996
			JP	2568388 B2	08-01-1997
			JP	8086622 A	02-04-1996
			JP	2668663 B2	27-10-1997
			JP	8313224 A	29-11-1996
EP 0391531	Α	10-10-1990	JP	1912209 C	09-03-1995
			JP	2264808 A	29-10-1990
			JP	6041851 B	01-06-1994
			CA	2011165 A1	05-10-1990
			CA	2011166 A1	05-10-1990
			DE	69012868 D1	03-11-1994
			DE	69012868 T2	16-03-1995
			DE	69020033 D1	20-07-1995
			DE	69020033 T2	14-12-1995
			EP	0391531 A2	10-10-1990
			EP	0391532 A2	10-10-1990
		•	KR	9404917 B1	04-06-1994
			KR	9403917 B1	09-05-1994 14-04-1992
			US US	5104227 A 5102224 A	07-04-1992
			U2	51UZZZ4 A	0/-04-1992